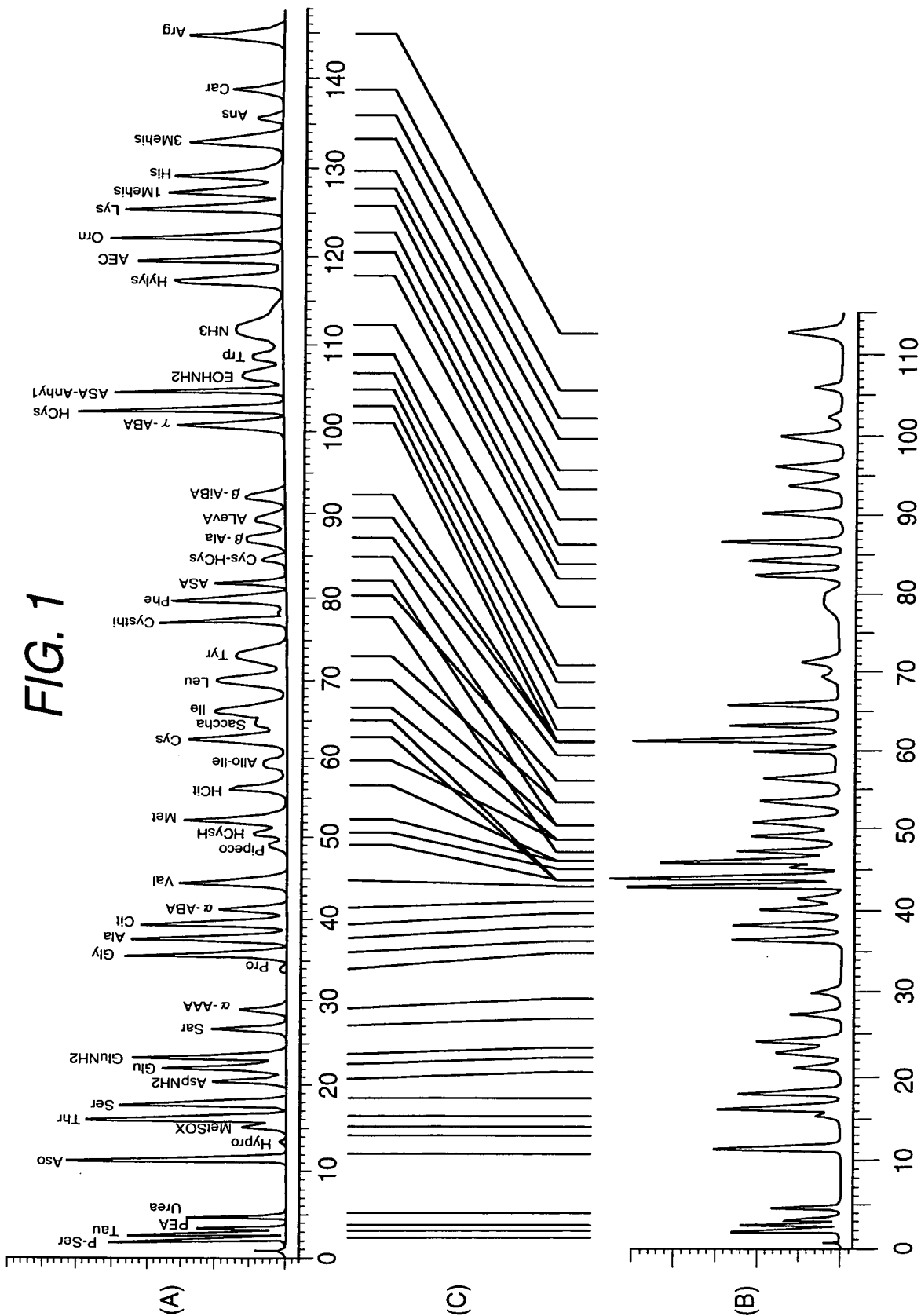
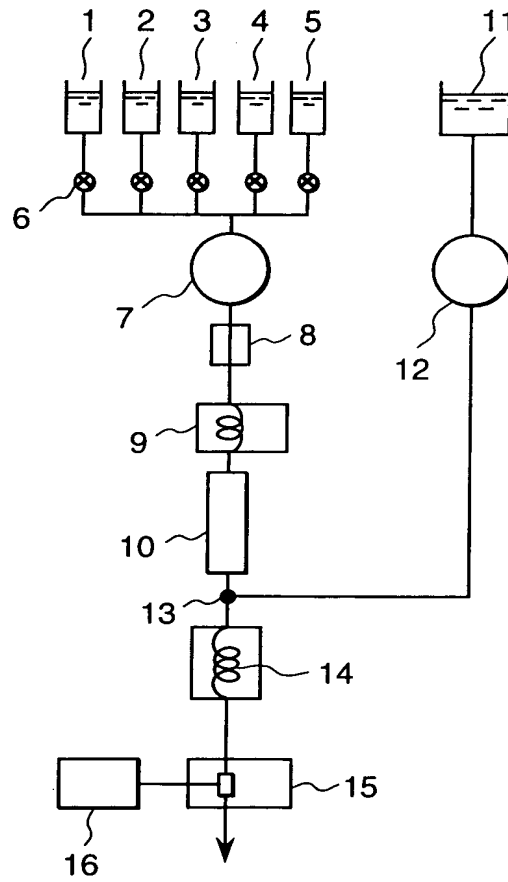


FIG. 1



RETENTION TIME (minutes)

FIG. 2



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FIG. 3

TIME (min)	%B1	%B2	%B3	%B4	%B5	TEMPER- ATURE(°C)	FLOW RATE 1 (ml/min)	%R1	%R2	%R3	FLOW RATE 2 (ml/min)
0.0	100.0	0.0	0.0	0.0	0.0	38	0.350	50.0	50.0	0.0	0.300
2.0	100.0	0.0	0.0	0.0	0.0	35					
20.0	100.0	0.0	0.0	0.0	0.0						
20.0	80.0	20.0	0.0	0.0	0.0	60					
45.0	80.0	20.0	0.0	0.0	0.0	70					
55.0						40					
73.0						70					
84.0	15.0	75.0	10.0	0.0	0.0						
85.0						63					
92.0	15.0	75.0	10.0	0.0	0.0						
92.1	0.0	60.0	40.0	0.0	0.0						
105.0						70					
117.0	0.0	20.0	0.0	80.0	0.0						
117.1	0.0	25.0	0.0	75.0	0.0						
130.0	0.0	25.0	0.0	75.0	0.0						
130.1	0.0	0.0	0.0	100.0	0.0						
145.0	0.0	0.0	0.0	100.0	0.0						
145.1	0.0	0.0	0.0	0.0	100.0						
149.0							50.0	50.0	0.0		
149.1							0.0	0.0	100.0		
153.0	0.0	0.0	0.0	0.0	100.0						
153.1	100.0	0.0	0.0	0.0	0.0						
155.0						38					
159.0							0.0	0.0	100.0		
159.1							50.0	50.0	0.0		
178.0	100.0	0.0	0.0	0.0	0.0						

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FIG. 4

TIME (min)	%B1	%B2	%B3	%B4	%B5	TEMPER- ATURE(°C)	FLOW RATE 1 (ml/min)	%R1	%R2	%R3	FLOW RATE 2 (ml/min)
0.0	100.0	0.0	0.0	0.0	0.0	38	0.350	50.0	50.0	0.0	0.300
2.0	100.0	0.0	0.0	0.0	0.0	33					
21.5	100.0	0.0	0.0	0.0	0.0						
21.6	80.0	20.0	0.0	0.0	0.0	62					
33.5	70.0	30.0	0.0	0.0	0.0						
33.6	10.0	90.0	0.0	0.0	0.0						
36.5	10.0	90.0	0.0	0.0	0.0	40					
43.5	10.0	90.0	0.0	0.0	0.0						
43.6	0.0	100.0	0.0	0.0	0.0						
50.5	0.0	100.0	0.0	0.0	0.0	70					
50.6	0.0	0.0	100.0	0.0	0.0						
68.4	0.0	0.0	100.0	0.0	0.0	45					
69.5	0.0	0.0	100.0	0.0	0.0						
69.6	60.0	0.0	0.0	40.0	0.0						
75.0	60.0	0.0	0.0	40.0	0.0						
75.1	0.0	0.0	0.0	100.0	0.0						
82.0	0.0	0.0	0.0	100.0	0.0						
82.1	0.0	20.0	0.0	80.0	0.0						
92.5	0.0	20.0	0.0	80.0	0.0	70					
99.5	0.0	20.0	0.0	80.0	0.0						
99.6	0.0	0.0	0.0	100.0	0.0						
112.5	0.0	0.0	0.0	100.0	0.0						
112.6	0.0	0.0	0.0	0.0	100.0						
116.0	0.0	0.0	0.0	0.0	100.0		50.0	50.0	0.0		
116.1	0.0	0.0	0.0	0.0	100.0		0.0	0.0	100.0		
121.5	0.0	0.0	0.0	0.0	100.0						
121.6	100.0	0.0	0.0	0.0	0.0						
125.0	100.0	0.0	0.0	0.0	0.0	38					
126.0	100.0	0.0	0.0	0.0	0.0		0.0	0.0	100.0		
126.1	100.0	0.0	0.0	0.0	0.0		50.0	50.0	0.0		
148.0	100.0	0.0	0.0	0.0	0.0						

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FIG. 5(A)

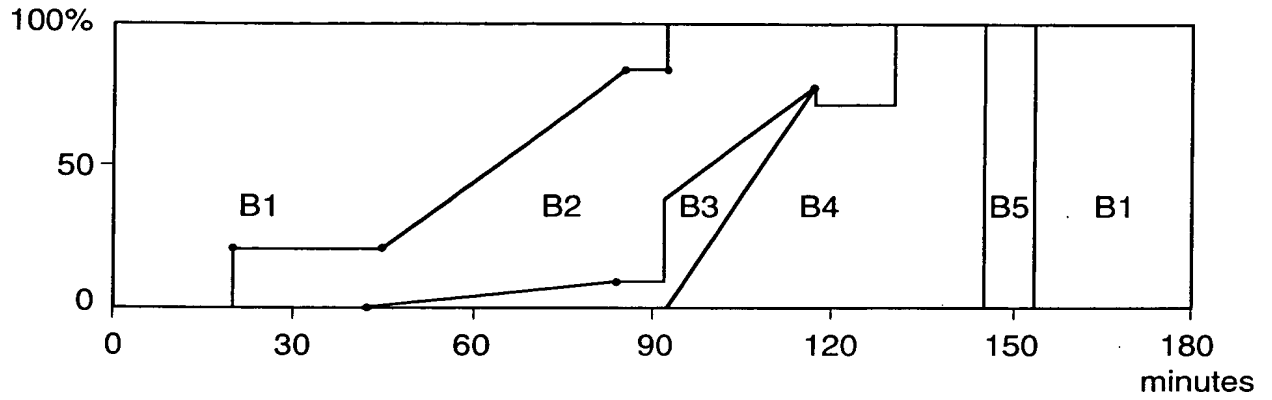


FIG. 5(B)

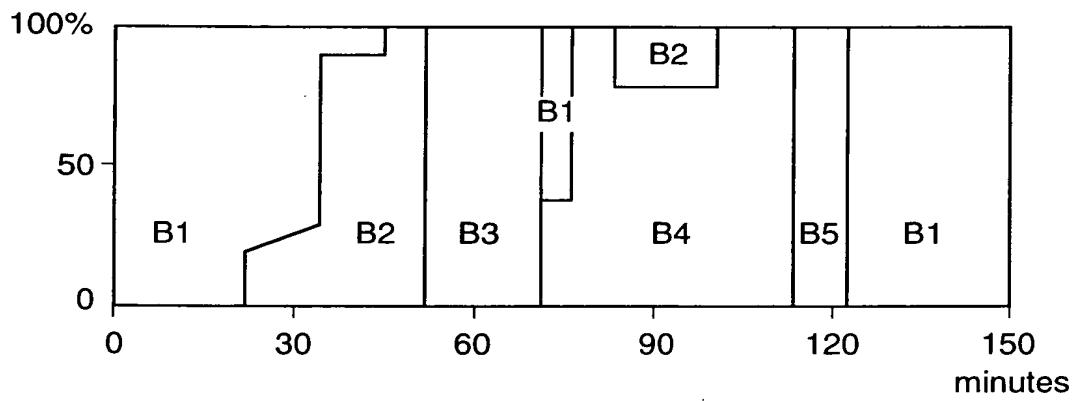


FIG. 6

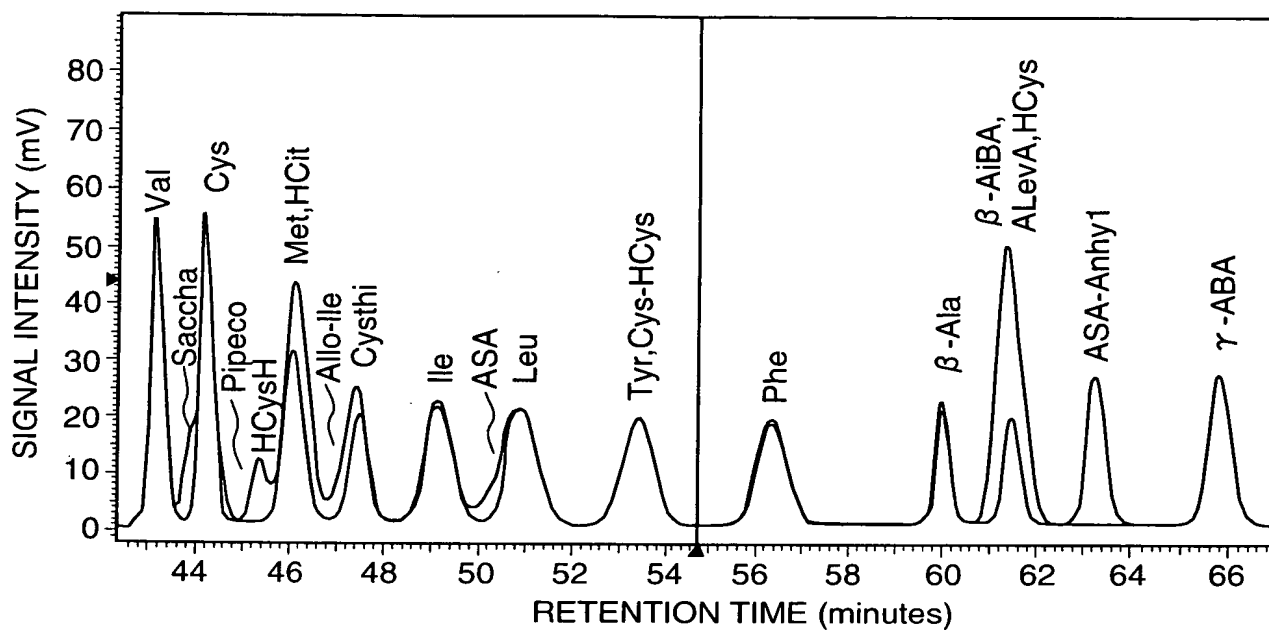


FIG. 7

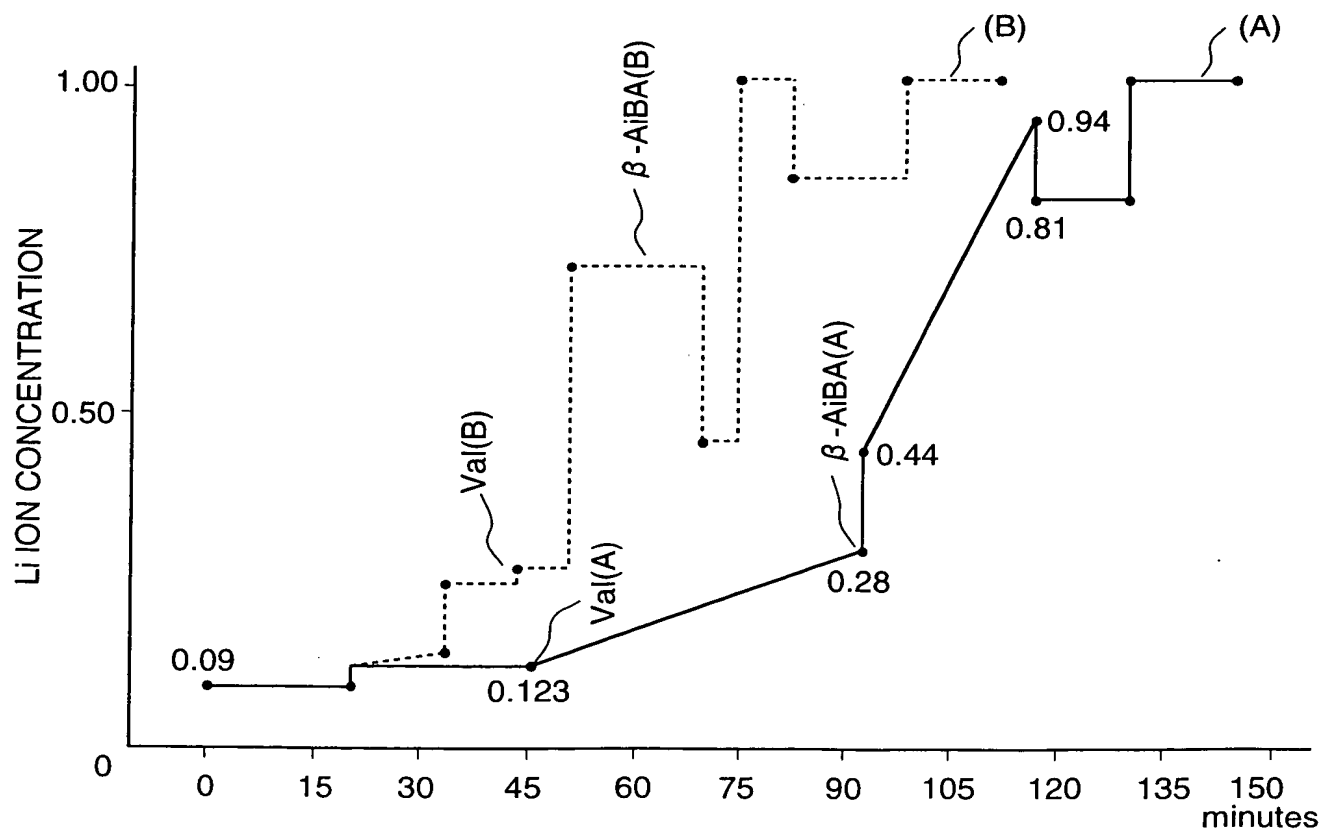
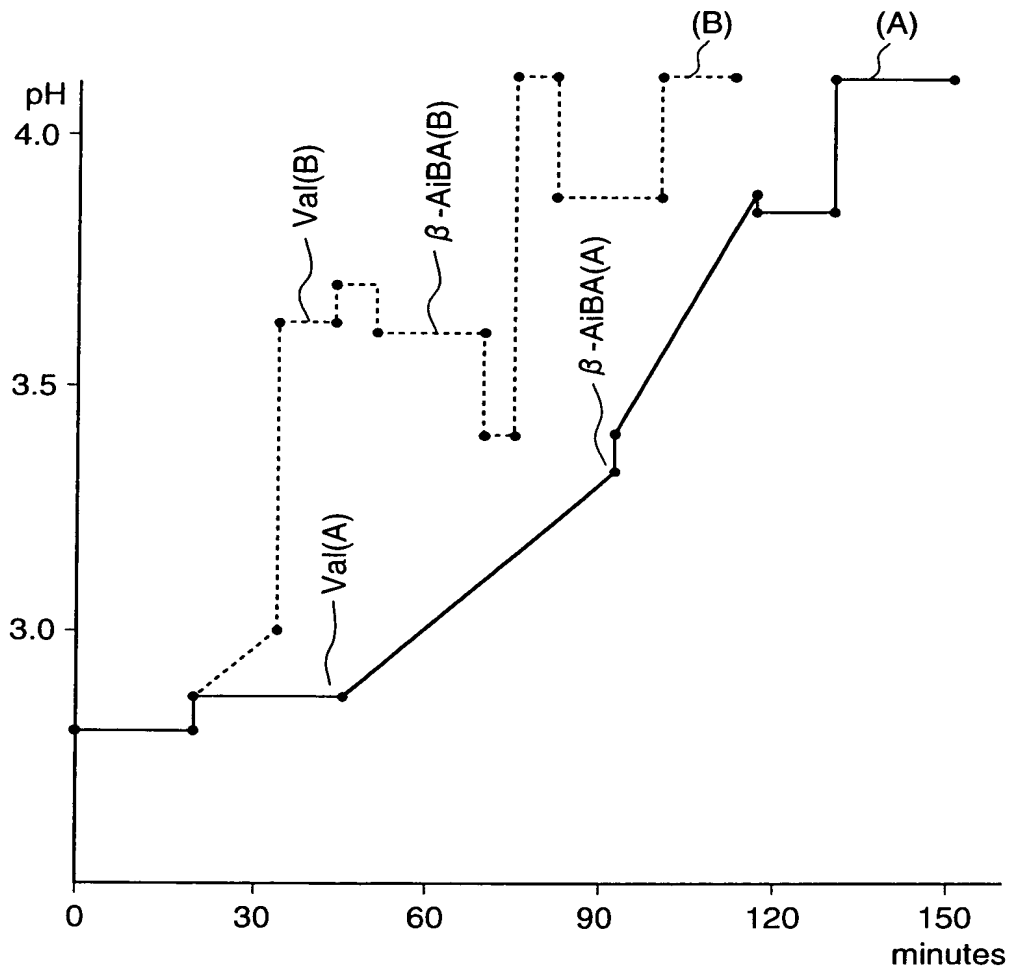


FIG. 8



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FIG. 9

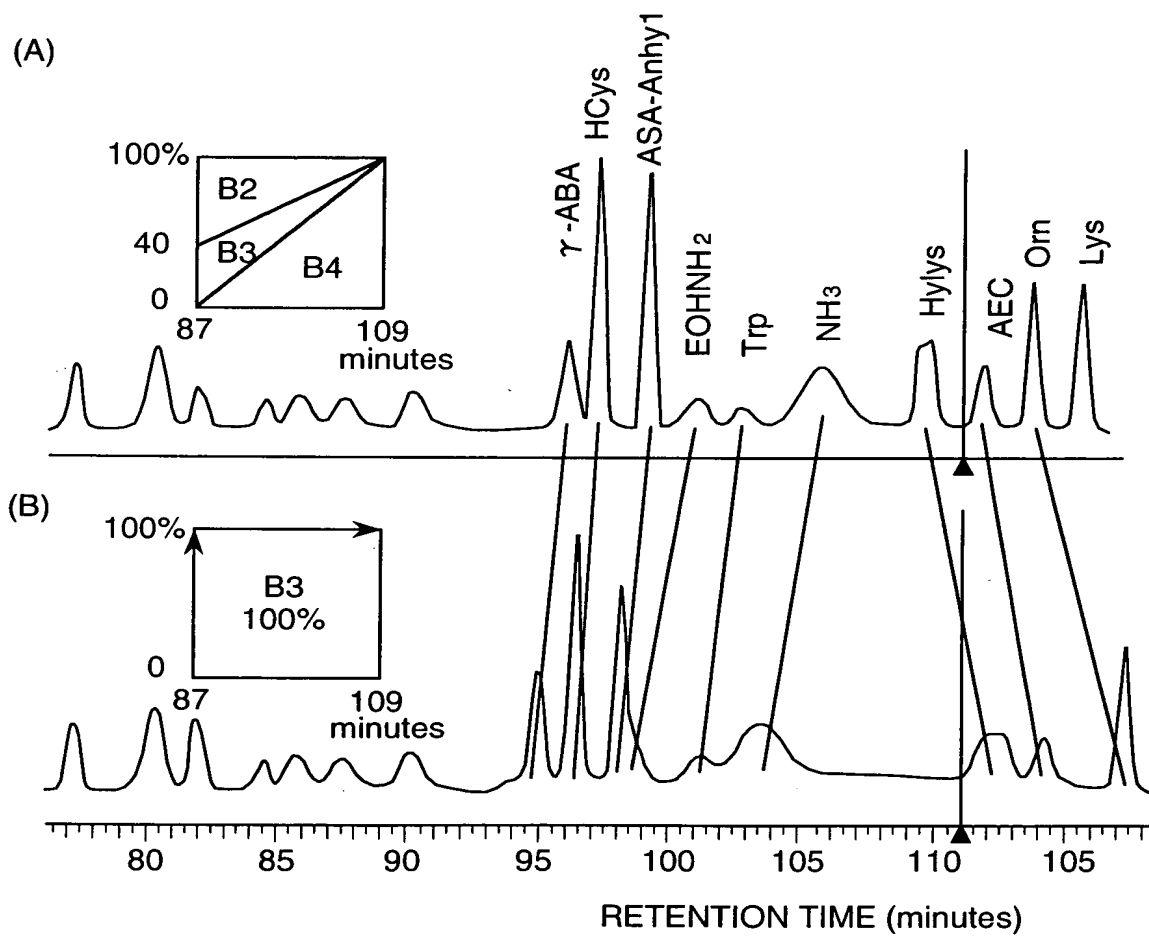
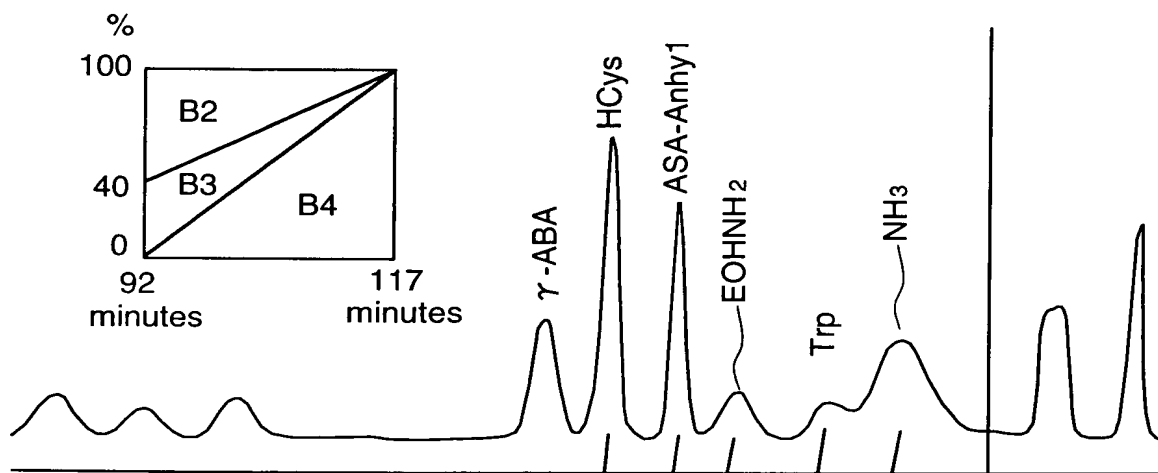




FIG. 10

## (A) THREE SOLUTION GRADIENT



## (B) TWO SOLUTION GRADIENT

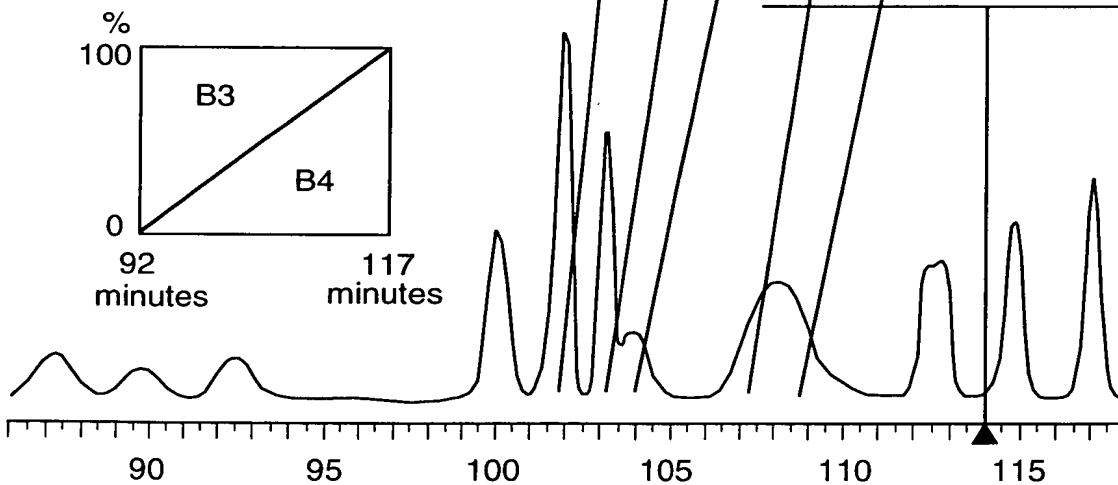


FIG. 11

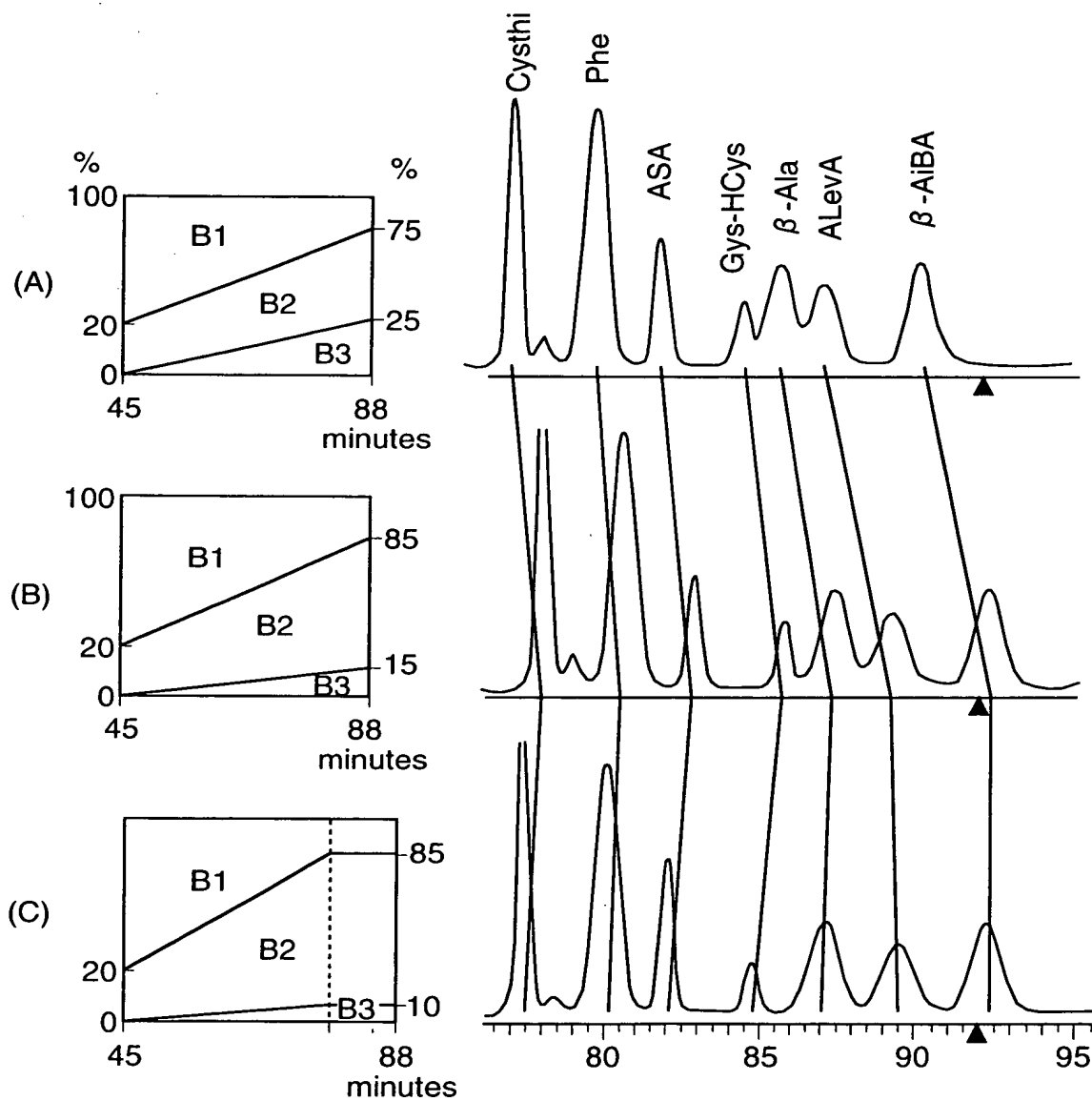


FIG. 12

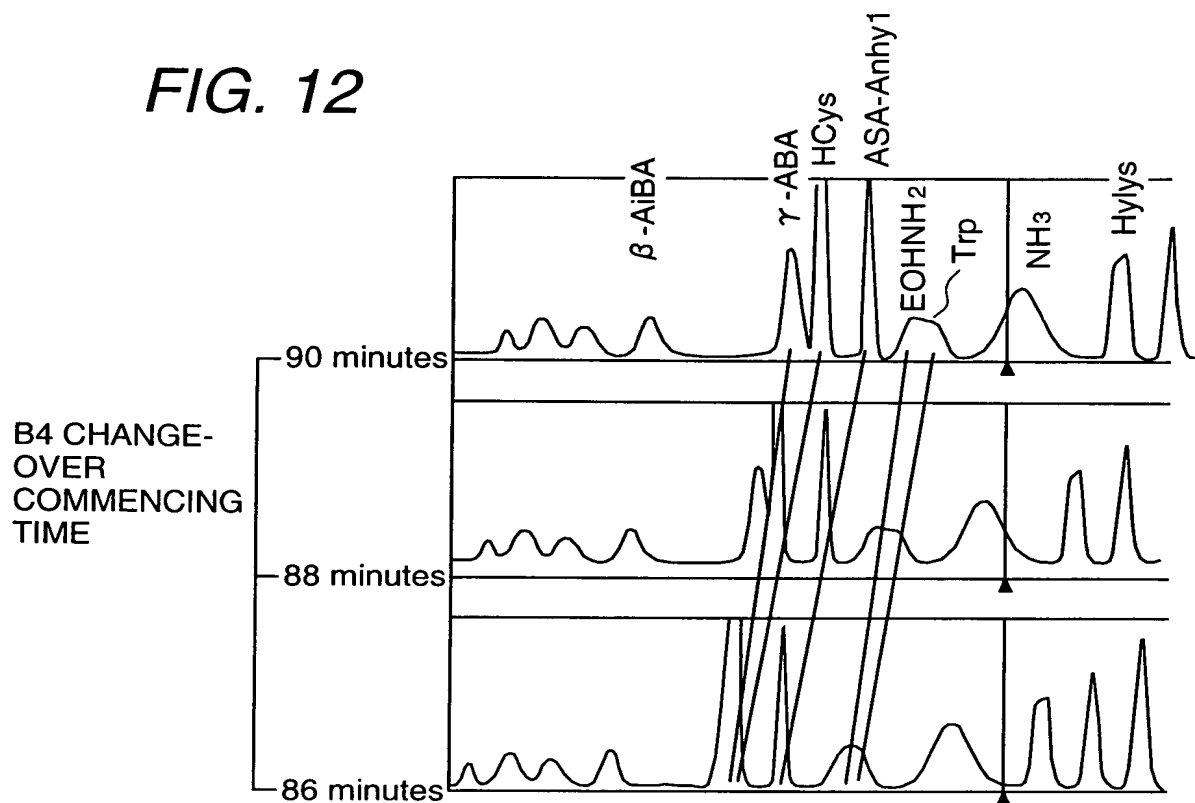
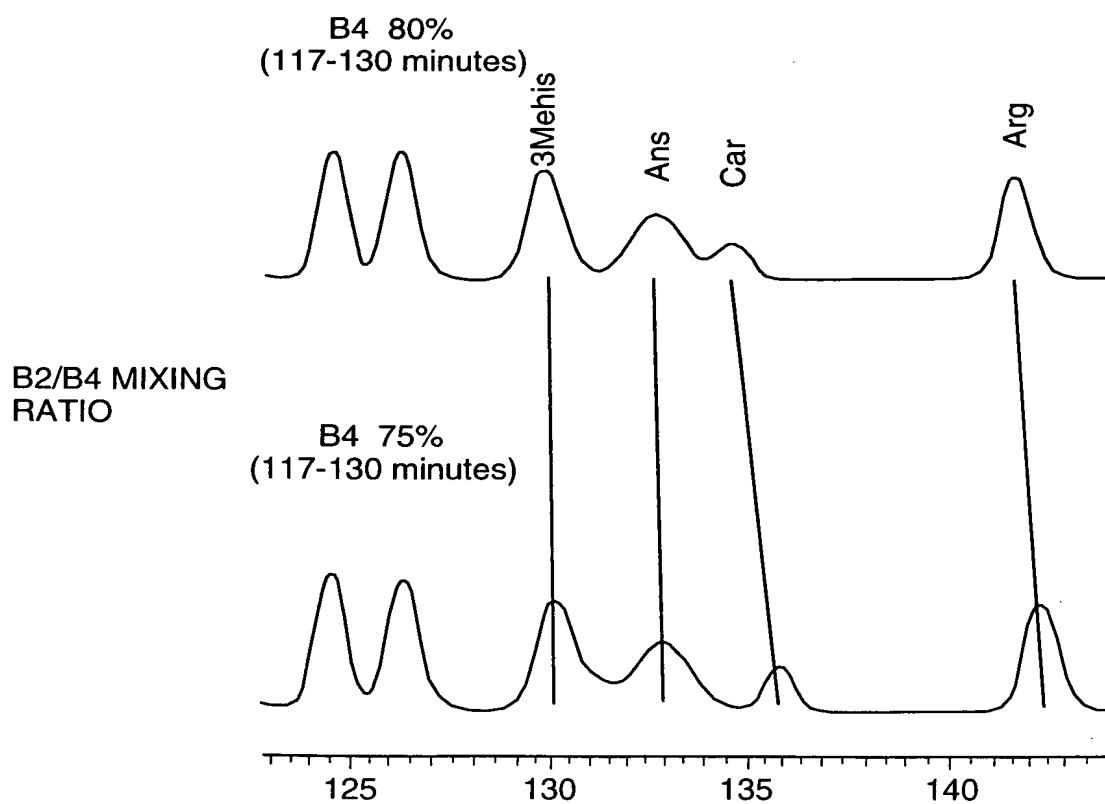


FIG. 13



**FIG. 14**

ACCELERATED ELUTION OF Arg

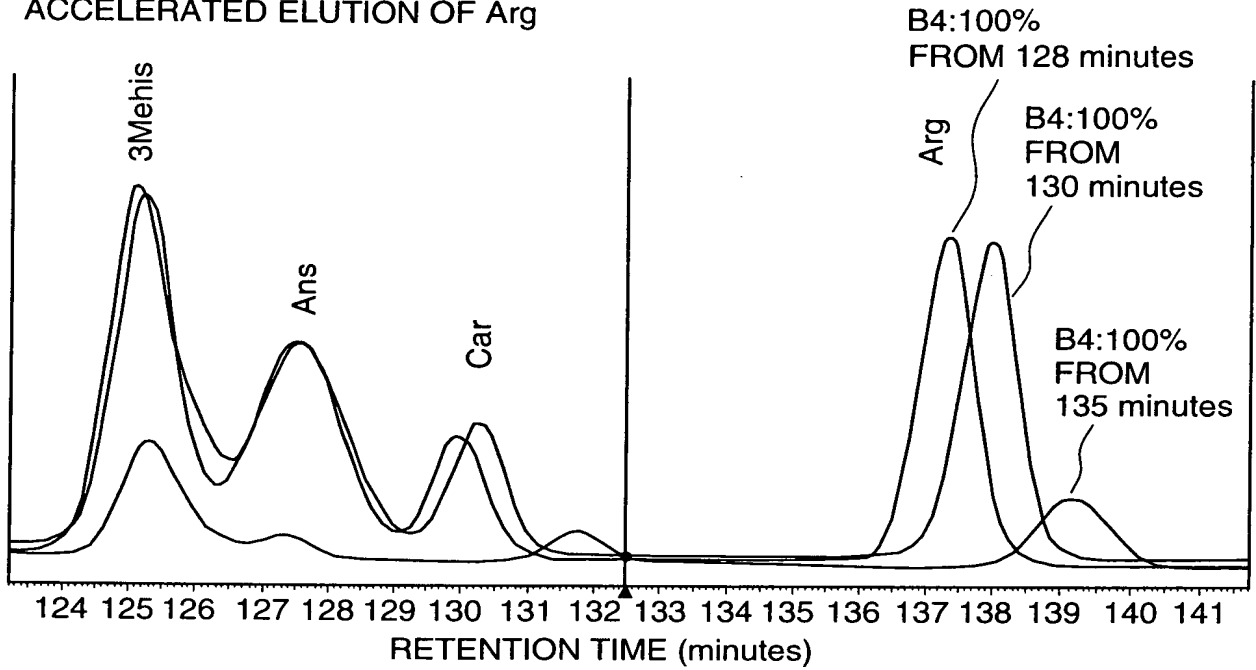
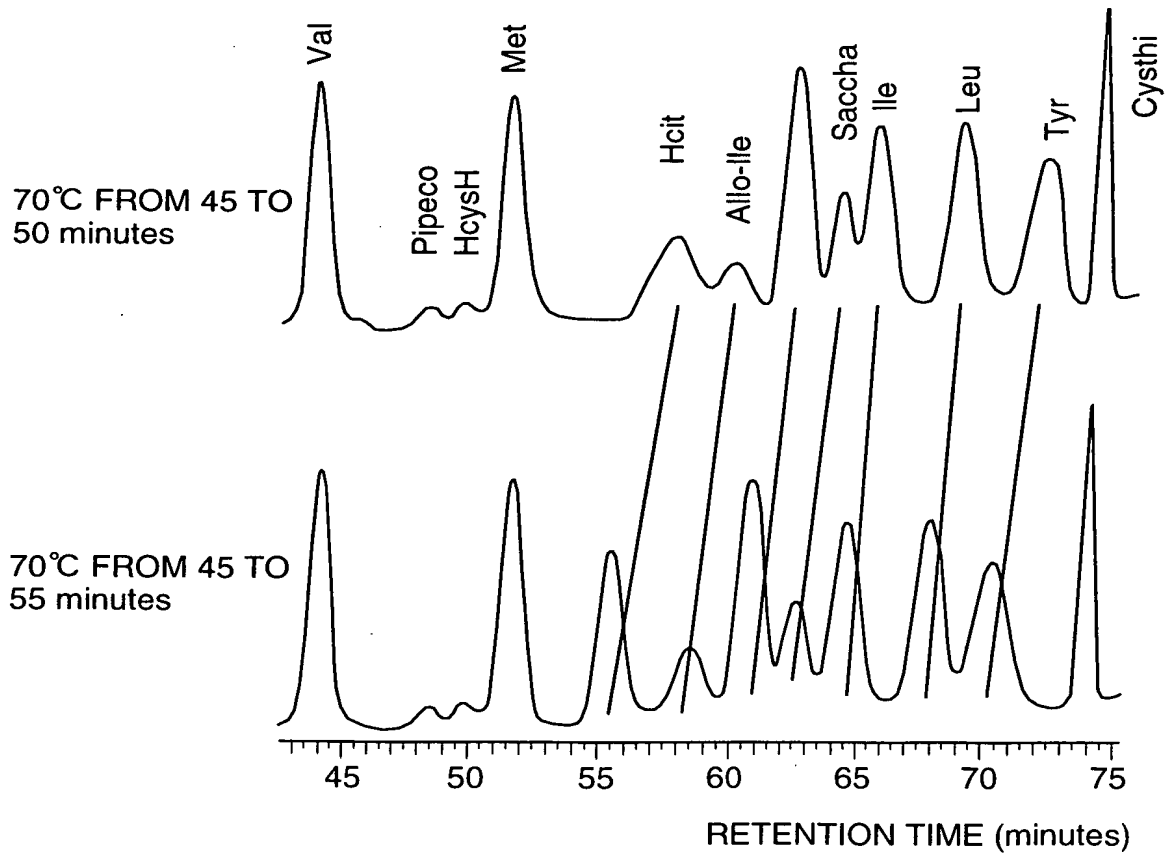
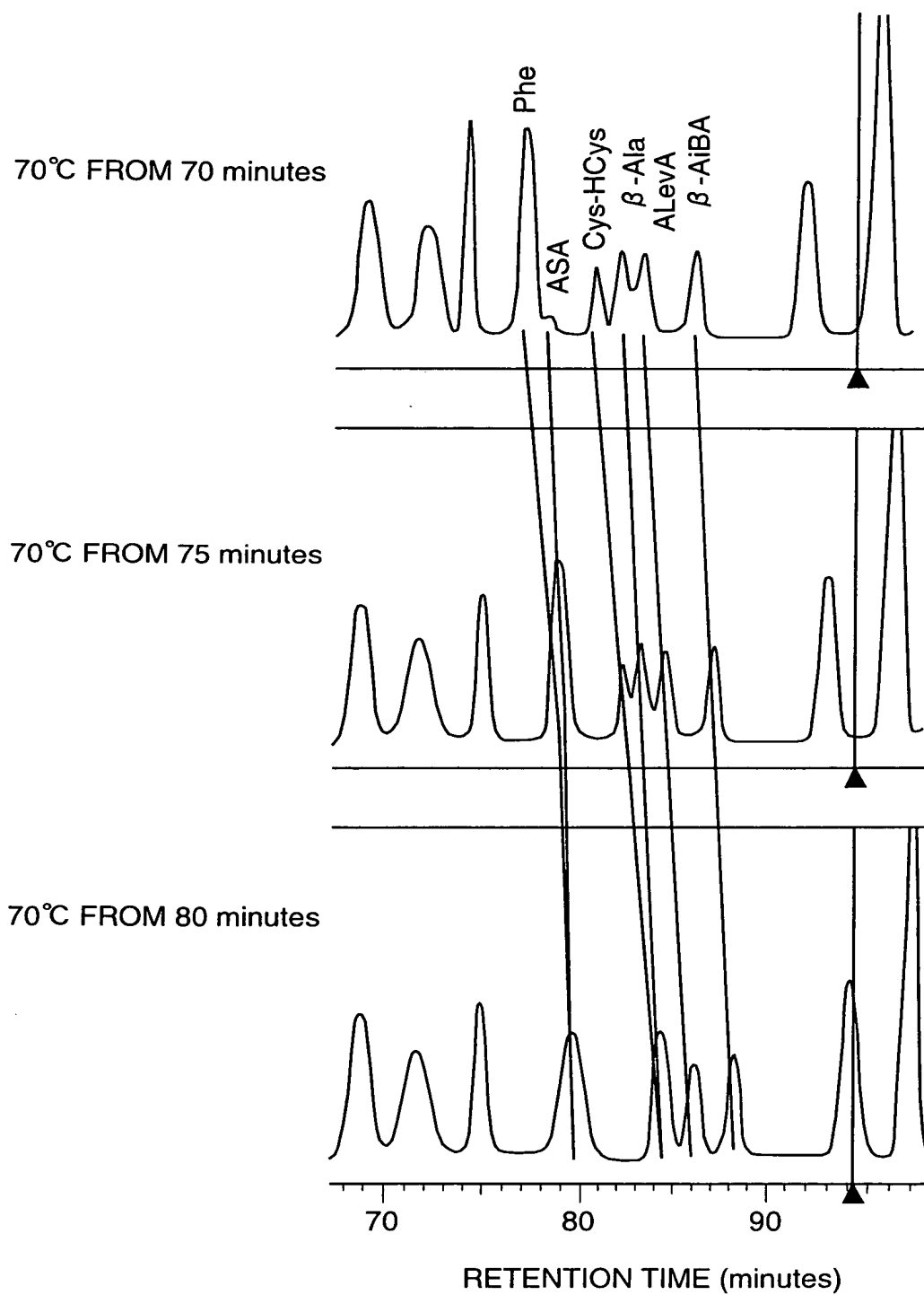
**FIG. 15**

FIG. 16



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FIG. 17

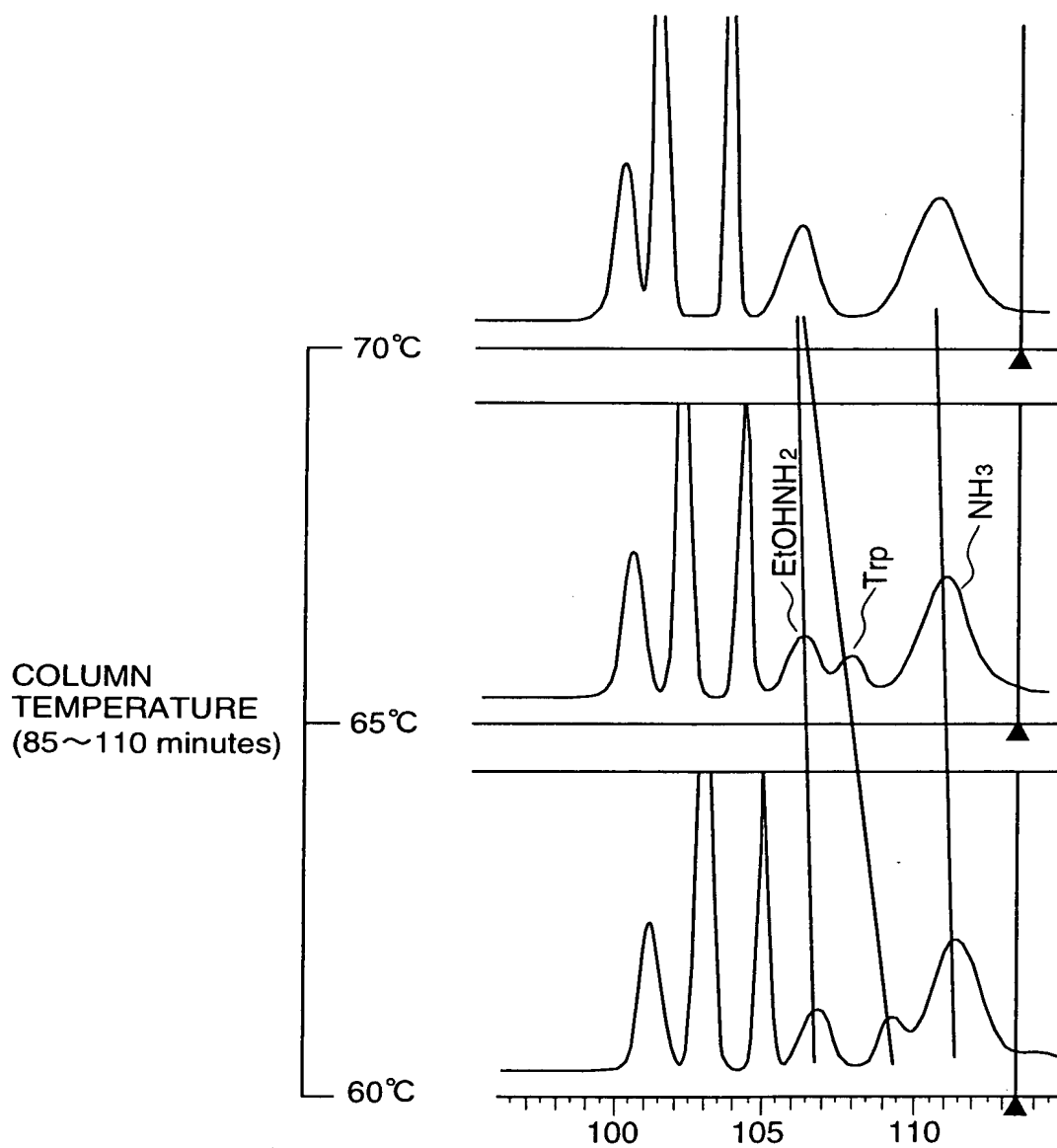


FIG. 18

